

A Catalogue of the Birds in the Collection of the Bombay Natural History Society—7

Scolopacinae (part), Phalaropinae, Rostratulidae,
Recurvirostridae, Dromadidae, Burhinidae, Glareolidae,
Stercorariidae, Laridae

BY

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[Continued from Vol. 67 (1) : 56]

404 *Capella solitaria solitaria* (Hodgson) (Nepal) Eastern Solitary Snipe 6 : 257

15 : 4 ♂♂ 3 ♀♀ 8 o ?

3 Chitral, N.W.F.P. ; 1 Patiala, 1 Dharmsala, Kangra ; 1 Srinagar, 1 Dabbian, Lidar Valley, 1 Puga Valley, Rupshu ; 1 Mussoorie, 1 Almora ; 1 Lachung, N. Sikkim ; 2 Balipara, 1 Shillong, 1 Manipur.

	Wing	Bill	Tarsus	Tail
♂ ♀	159-169 av. 165 (153-169)	65-74 av. 70.6 (67-77)	32-35 av. 33.7 (c. 28-38)	68-75 av. 71.6 (55-63)

405 *Capella nemoricola* (Hodgson) (Nepal) Wood Snipe 6 : 255

14 : 1 ♂ 2 ♀♀ 11 o ?

1 Thana, 1 Talegaon, Poona; 1 Almora, U.P.; 2 Khasia Hills ; 1 *Kaliawa*, 7 *Taunggyi*, *Upper Burma*, 1 *Burma*.

The measurements differ from those in FAUNA quoted in INDIAN HANDBOOK.

	Wing	Bill	Tarsus	Tail
♂ ♀	139-152 av. 145 (133-141)	64-72 av. 67.5 (61-67)	35-38 av. 36 (c. 30-36)	49-62 av. 54 (63-74)

406 *Capella stenura* (Bonaparte) (Sunda Islands) Pintail Snipe 6 : 263

27 : 9 ♂♂ 10 ♀♀ 8 o ?

3 Bombay, 2 Thana, 1 Panvel, 1 Ratnagiri ; 2 Karwar, 1 Bangalore ; 1 Gudalur, Nilgiris ; 1 Muthukuzhi, 5 Tenmalai, 1 Thekkady, Periyar Lake, Kerala ; 1 Bakhri, Monghyr, Bihar ; 1 Birbhum, 1 Calcutta Market, Bengal ; 1 Khetri, Assam ; 2 Andamans ; 2 *Sagaing*, *Upper Burma*, 1 *Klongyai*, *S.E. Siam*.

5 of them (Bombay, Panvel, Ratnagiri, Assam, and Burma) are isabelline in colour with varying degrees of markings on the upper parts.

Another from Bangalore (No. 14952) has the markings all over very much paler than in the normal plumage.

	♂♂	♀♀
Wing	128-139 av. 132 (125-134)	129-137 av. 133·7 (130-138)
Bill	56-65 av. 61 (57-61)	59-71 av. 63·7 (59-64)
Tarsus	30-33 av. 31·6	32-36 av. 33·9
Tail	44-50 av. 47 (♂♀ 32-36)	46-50 av. 47·3 (♂♀ 45-52)

In some specimens the bill is appreciably longer than accepted in IND. HANDBOOK quoting from Stuart Baker.

407 Capella megala (Swinhoe) (Between Takoo and Peking, China)
Swinhoe's Snipe 6 : 264

8 : 1♂ 5 ♀♀ 2 o ?

1 Malangad, 1 Thana, Bombay; 1 Walmer, Nilgiris; 2 Tindivanam, S.I.; 1 *Tharrawady, Lower Burma*; 1 *Ampang, near Kuala Lumpur, Malaya*; 1 *Temple of Heaven, Peking, China*.

	Wing	Bill	Tarsus	Tail
♂♀	135-144 av. 140 (128-139 Baker, 142-151 La Touche)	64(3), 66 (59-74 ; 61-72)	33-37 av. 35·5 (c. 32-34 ; 33-35 ; 37, 38)	51-60 (52-57 ; 55-62)

See Miscellaneous Note, *JBNHS* 67 : 108. One more specimen, obtained in 1952 and put aside for confirmation, was discovered after the publication of this note. Except for a 51 mm. tail, the measurements are within the limits indicated in my note.

408 Capella media (Latham) (England) Great Snipe 6 : 261

9 : 1♂ 4 ♀♀ 4 o ?

1 *Basra, Mesopotamia*; 5 *Katunak, near Shiraz*; 1 Bangalore; 1 Walmer, Nilgiris; 1 *Moulmein, Burma*.

	Wing	Bill	Tarsus	Tail
♂♀	138 (frayed)-150 av. 143·7 (139-150)	60(2), 62, 66 (57-69)	32-40 av. 36 (♂ 33-37)	50-57 av. 54·2 (♂ 51-59)

See Miscellaneous Note *JBNHS* 67 : 109.

409 Capella gallinago gallinago (Linnaeus) (Sweden) Common or Fantail Snipe 6 : 259

35 : 11 ♂♂ 18 ♀♀ 6 o ? (2 albinoids)

1 *Hawi Plain, Samara*, 1 *Mesopotamia*; 2 *Shiraz*, 1 *Arabistan*; 1 Chitral, 1 N.W.F.P.; 1 Darazpur, Ambala, Punjab; 2 Kohistan, 1 Pithora, Sind; 1 Jaipur; 1 Dhari, Amreli, 1 Kaira District; 4 Nasik Dist.; 2 near Bombay, 3 Thana, 2 Panvel, 1 Alibag, Kolaba; 2 Karwar, 1 Bangalore; 3 Bakhri, Monghyr; 1 Calcutta Market; 1 *Prome Dist.*; 1 *Bangkok*.

No. 14951 (Bangalore) and 19434 (Bombay) are albinoid with a buffish wash all over, generally similar to the albinoid *C. stenura*.

	Wing	Bill	Tarsus	Tail
♂♂	129-136 av. 132 (128-138)	64-71 av. 66·5 (60-71·5)	31-34 av. 32·7 (29-33)	57-65 av. 59·7 (53-61)
♀♀	128-137 av. 133·4 (130-140)	62-72 av. 63 (64-73)	31-36 av. 33·3	53-60 av. 55·6

The outermost tail feathers are tipped with white (instead of brown) in 7 of the 11 males and in only one of the 18 females.

410 *Capella minima* (Brünnich) (E. Christiansö, Denmark) Jack Snipe
6 : 265

20 : 4 ♂♂ 14 ♀♀ 2 ♂? (1 albinoid, 1 melanistic)

1 Thar and Parkar ; 1 Ambala, Punjab ; 1 Chaduva, Kutch ; 1 Jaipur ; 1 Kaira District ; 2 Ghoti, 3 Thana ; 1 Kalianpur, Cawnpur, 6 Meerut ; 1 Tirhut, 1 Bakhri, Monghyr ; 1 no locality, albinoid.

	Wing	Bill	Tarsus	Tail
♂♂	111, 114, 115, 116 (108-117)	38, 39, 39, 41 (39-41)	23, 23, 24, 24 (23-25)	47, 48, 49, 49 (46-51)
♀♀	106-113 av. 108 (107-115)	38-43 av. 40·6 (40-43)	23-25 —	42-52 av. 47 —

411 *Scolopax rusticola rusticola* Linnaeus (Sweden) Woodcock 6 : 252

15 : 7 ♂♂ 8 ♀♀ (also 2 pairs wings only, 1 Chitral and 1 Assam)

(a) 2 *Bandar-e-Gaz*, near *Astrabad*, *Caspian Province* ; 1 *Birjand*, *Persia* ; 1 *Kilia*, 1 *Drosh*, 2 *Chitral*, *N.W.F.P.* ; 1 *Katha Dist.*, *Upper Burma*.

(b) 2 *Simla*, 1 *Palanpur* ; 1 *Ootacamund*, *Nilgiris* ; 2 *Lobha*, *Garhwal* ; 1 *Temi*, *West Sikkim* ; 1 *Laitlyngkot*, *Assam*, 1 *Chin Hills*.

The material available falls into two distinct groups which I have listed separately above. The birds in group (a) are paler above, while those in group (b) show darker and more pronounced barrings with the pale interspaces less white. The rufous on the upper tail coverts is also appreciably deeper than in the western birds. Keeping both sexes together they measure

	Wing	Bill	Tarsus	Tail
(a)	193-207 av. 200·7 (184-208)	69-80 av. 74·5 (67-80)	36-41 av. 38·7 (34-38)	74-87 av. 82 (71-82)
(b)	192-197 av. 195	72-81 av. 76	36-41 av. 38	71-85 av. 81

Except for one bird from the *Chin Hills*, group (a) lies west of group (b). The pair of wings from *Assam* are noticeably darker than any of the others.

I would have been inclined to consider recognition of *Hodgson's indicus* from *Nepal* and/or *Koelz's ultimus* from *Sangau*, *Lushai Hills*, had not both forms been so positively ignored in recent literature. I trust that somebody with more material available for examination will examine this matter more closely.

- 412 **Calidris canutus canutus** (Linnaeus) (Sweden) Knot 8 : 698
2 : 1 ♀ 1 o? Point Calimere, Thanjavur Dist., Tamil Nadu.

Though there is a single record for Ceylon, these specimens obtained by the B.N.H.S. Bird Ringing Camp considerably extend the known range of this species.

- 413 **Calidris tenuirostris** (Horsfield) (Java) Eastern Knot 6 : 243
1 ♀ Muthupet, Thanjavur Dist., Tamil Nadu.
Wing 178 (165-185) ; bill 44 (39-47) ; tarsus 34 (34-38) ; tail 66 (63-69).

This bird obtained by the B.N.H.S. Bird Ringing Camp is also a valuable record. The map in IND. HANDBOOK (2 : 291) appears to indicate that there are many records from the east coast, but I cannot trace any earlier ones. Jerdon's record for Madras may refer either to this species or *canutus* (Whistler, *JBNHS* 39 : 258)

- 414 **Calidris albus** (Pallas) (Coast of the North Sea) Sanderling 6 : 231
4 : 3 ♂♂ 1 ♀
1 Charbar, 1 Tanb Island, Persian Gulf ; 1 Karachi ; 1 Gorai, Bombay.
Wing 119, 121, 121, 123, (♂♀ 117-130)
Bill 22, 23, 24, 27, (♂♀ 23-29)
Tarsus 23, 25(3) (♂♀ 22-26)
Tail 47, 47, 48, 52, (♂♀ 46-55)

- 415 **Calidris ruficollis** (Pallas) (Southern Transbaikalia) Eastern Little Stint 6 : 236

3 : 1 ♀ Chilka Lake, Orissa ; 1 ♂ 1 ♀, Osaka, Japan.

Sp. No. 14793 collected by Maj. H. J. Walton at Chilka Lake on 10th June 1902 is marked *Tringa ruficollis* but being indistinguishable in colour from *Calidris minutus* has remained under that name. However, its 112 mm. wing and 21 mm. bill from feathers are both noticeably larger than in *minutus* (90-102 and 17-20). Though presumably recorded from the Andaman and Nicobar Islands (*JBNHS* 61 : 519)¹ and 'occasional specimens appear to be found in India, west of the Bay of Bengal' (Blanford 4 : 274), I cannot trace any specific published records from the Indian continent, whence it is omitted in the SYNOPSIS. In IND. HANDBOOK (2 : 301) it is said to have been recorded from Rameshwaram Island Tamil Nadu.

- 416 **Calidris minutus** (Leisler) (Hanau am Main, Germany) Little Stint 6 : 234

63 : 27 ♂♂ 26 ♀♀ 10 o?

2 Baghdad; 3 Pushikuh Khasan; 1 Baluchistan ; 1 Chitral ; 4 Kandla, Kutch ; 25 Bombay, 7 Thana, 6 Kolaba ; 1 Pt. Calimere, Tamil Nadu ; 3 Chilka Lake, Orissa ; 1 Meerut, U. P. ; 4 Darbhanga, 2 Bakhri, Bihar ; 2 Calcutta Market ; 1 Henzada, Burma.

¹ See also *JBNHS* 64 : 162.

417 **Calidris temminckii** (Leisler) (Hanau am Main, Germany)
 Temminck's Stint 6 : 237

21 : 6 ♂♂ 9 ♀♀ 6 ♂?

2 *Mesopotamia*; 1 Ladak; 1 Sind; 6 Bombay; 1 Cawnpore; 2 Calcutta Market;
 1 Rajputee, 3 Monghyr, Bihar; 2 *Burma*; 2 *China*.

418 **Calidris subminutus** (Middendorff) (Western slopes of the Stanovoi
 Mountains and mouth of the Uda) Longtoed Stint 6 : 236

8 : 2 ♂♂ 6 ♀♀

1 Bakhri, Monghyr District, Bihar; 1 Calcutta Market; 4 Port Blair, Andamans;
 1 *Hsipaw*, *Shan States*, 1 *Kyethe*, *Prome District*, *Burma*.

Wing ♂♂ 87, 91 ♀♀ 89-98 av. 92.6 (♂♀ 87-95)

Bill ♂♀ 17-20 av. 19 (17-19)

419 **Calidris acuminatus** (Horsfield) (Java) Asian Sharptailed Sand-
 piper 6 : 239

2 : 1 ♂ 1 ♂?

1 *Tientsin*, *China*, 4th May 1901; 1 *Osaka*, *Japan*.

420 **Calidris alpinus alpinus** (Linnaeus) (Lapland) Dunlin 6 : 241
 nil.

421 **Calidris alpinus centralis** (Buturlin) (Yakutsk, eastern Siberia)

22 : 11 ♂♂ 9 ♀♀ 2 ♂?

1 *Abadi*, 1 *Amara*, 1 *Sheik Saad*, 1 *Hawi Plain*, *Mesopotamia*; 1 *Charbar*, 1 *Sanauch*,
Persian Gulf; 4 *Pasni*, 1 *Baluchistan*; 2 *Karachi*; 1 *Kandla*, *Kutch*; 2 *Salsette*,
Bombay, 1 *Panvel*, 4 *Rewas*, *Kolaba*; 1 *Calcutta Market*.

	Wing	Bill	Tarsus	Tail
♂♂	112-119 av. 116	31-38 av. 33	22-28 av. 24.5	44-51 av. 48.5
Ticehurst (Sind)	112-121	29-36	24-27	—
BR. HANDBOOK	111-116	28.5-31	23-25	48-52
♀♀	114-122 av. 116.4	31-38 av. 34	24-26	47-55 av. 50
Ticehurst (Sind)	116-123	34-39	25-27	—
BR. HANDBOOK	116-119	31-34.5	23-25.5	—

Stuart Baker referred only to the nominate form from Indian limits. Later Buturlin (1932, *Alauda* 4 : 265) when describing *centralis* suggested that it (*centralis*) may winter in India. Witherby (BR. HANDBOOK 1940) did not accept this form as separable from the nominate, but Ripley and Sálím Ali (SYNOPSIS & IND. HANDBOOK) have again, with no definite identifications, agreed that it may occur in India.

The measurements of the present series as also those of the birds from Sind measured by Ticehurst are generally larger, particularly as to the wing and bill, than those of *C. a. alpinus* and of *C. a. centralis* (which presumably does not differ in size from *C. a. alpinus*); also, none of the specimens in the present series shows 'a brownish, and not white outer web to the outer secondaries' as is said to occur in *centralis*. Martti Soikkeli [On the variation in bill-and wing - length of the Dunlin (*Calidris*

alpina) in Europe (1966, *Bird Study* 13: (3) 256-259)] considers the mean bill-lengths over a large number as 31.4 mm. in males and 34.2 in females, and stresses the existence of a 3.9 ± 0.2 mm. difference in size between the bill measurements of sexes. This difference does not show in Indian material.

It could appear that this matter requires a closer examination with more material, particularly from eastern India. I have for the moment queried the subspecific identification of both the races. IND. HANDBOOK (2: 310) has a typographical error in quoting Hartert's measurements of the wing of the race (*sakhalina*) showing 177-123 instead of 117-123.

EL *Calidris alpinus schinzii* (Brehm) (Ragen, Germany) Dunlin

1 ♂ in breeding plumage, Rossiten.

422 *Calidris testaceus* (Pallas) (Holland) Curlew-Sandpiper 6: 224

13: 5 ♂♂ 2 ♀♀ 6 o?

4 Kandla, Kutch; 1 Bassein, 3 Gorai Washi, Bombay; 2 Chilka Lake, Orissa; 1 Calcutta Market; 2 Tientsin, China.

	Wing	Bill	Tarsus	Tail
♂♀	125-133	33-40	29-33	43-57
	(124-137)	(37-45 from skull)	(28-32)	(43-52)

Of the seven in breeding plumage the two from Tientsin appear darker above than the others.

423 *Eurynorhynchus pygmeum* (Linnaeus) (Eastern Asia) Spoonbilled Sandpiper 6: 232

nil.

424 *Limicola falcinellus falcinellus* (Pontoppidan) (Denmark) Broad-billed Sandpiper 6: 245

nil.

425 *Limicola falcinellus sibirica* Dresser (Siberia and China) Eastern Broadbilled Sandpiper 6: 246

11: 5 ♂♂ 3 ♀♀ 3 o? (No. 14862 Dharamtar Creek, missing)

2 R. Rohtak, near Sib, Persian Baluchistan; 1 Pasni, Baluchistan; 1 Karachi; 5 Salsette, Bombay, 1 Rewas, 1 Dharamtar Creek, Kolaba.

	Wing	Bill	Tarsus	Tail
♂♂	99-107 av. 103.4	28-32 av. 29.6	21-22	35-39 av. 37.4
♀♀	105, 106, 110	31, 31, 34	22, 23, 23	36, 38, 38
(♂♀)	101-113	30-36	20-23	35-42)

Seven (5th August to 1st September) are in breeding plumage. Two obtained near Bombay on 5th and 28th August appear darker above than the others, suggesting the nominate race, which would make others obtained in the same area in different years *sibirica*. Without definitely

named specimens in similar plumage, the subspecific identity will have to remain undetermined.

The bird from Karachi collected by J. A. Murray in 1877, was listed as a Jack Snipe (*Gallinago gallinula*)!

425a **Tryngites subruficolis** (Vieillot) (Paraguay) Buffbreasted Sandpiper
 nil.

426 **Philomachus pugnax** (Linnaeus) (Southern Sweden) Ruff 6 : 228

37 : 22 ♂♂ 15 ♀♀ (8 by wing size)

1 Western Europe ; 2 Baghdad, 1 Mesopotamia ; 1 Sib, Persian Baluchistan ; 1 Baluchistan ; 1 Sind ; 3 Ambala ; 1 Bahawalpur ; 1 Delhi ; 4 Bharatpur, 3 Jaipur ; 1 Gwalior, M.P. ; 4 Nasik, 1 Bhyander, Bombay, 2 Panvel, 1 Alibag, Kolaba ; 1 Gundlupet, Mysore ; 1 Baghowni, 1 Tirhut, 1 Darbhanga ; 1 Gonda, 2 Kalianpur, Cawnpur ; 2 Calcutta Market.

	Wing	Bill	Tarsus	Tail
17 ♂♂	179-194 av. 185.5	33-40 av. 35	46-50 av. 48	63-71 av. 66
♂♂ FAUNA	173-190	30-36	46-50	78-89*
♂♂ BR. HAND.	186-198	34-38	45.5-52	61-68
12 ♀♀	144-157 av. 152	29-32 av. 30.3	37-43 av. 40	50-59 av. 54
♀♀ FAUNA	150-166	29-31	41-44	64-70
♀♀ BR. HAND.	149.5-163	29.5-33	—	—

The wing measurements of the males and females appear mutually exclusive, and two of each sex which do not fit in have been excluded as being presumably wrongly sexed. The only male from Europe is in breeding plumage and has the bill appreciably larger than in the others (40 mm. cf. 33-36 av. 34.8). Part of this disparity may be due to recession of the feathering on the forehead.

The tail measurements for both sexes, reproduced in IND. HANDBOOK from the FAUNA, appear to be completely out.

427 **Phalaropus fulicarius** (Linnaeus) (Hudson Bay) Grey Phalarope
 6 : 248
 nil.

428 **Phalaropus lobatus** (Linnaeus) (Hudson Bay) Rednecked Phalarope
 6 : 249

9 : 3 ♂♂ 5 ♀♀ 1o ?

1 Sib 3630', Persian Baluchistan ; 1 Gajar 3200', 2 Manguli 2500', 2 Drakalo 4000', Baluchistan ; 1 Chitral, N.W.F.P. ; 1 Bhavnagar, 1 off Rann of Kutch.

	Wing	Bill	Tarsus	Tail
♂♂	103, 108, 111 (106-110)	23, 24 (20-24)	20, 21, 22 (19-20)	44, 48, 50 (43-47)
♀♀	105-111 av. 106.8 (112-118)	20-24 av. 21.5 (20-25)	19-21 av. 19.6 —	44-49 av. 46.4

The measurements in IND. HANDBOOK (2 : 325) reproduced from BR.

HANDBOOK (4 : 222) indicate that the female is larger, but the present small series does not support this.

429 *Rostratula benghalensis benghalensis* (Linnaeus) (Asia) Painted Snipe 6 : 45

40 : 16 ♂♂ 18 ♀♀ 6 o? (2 pull.).

1 Rawalpindi, 1 Campbellpore, 4 Ambala, Punjab; 1 Thar Parkar, Sind; 1 Bharatpur; 1 Jhansi, C.P.; 7 Thana, 7 Bombay, 5 Panvel; 2 Karwar, N. Kanara; 5 Darbhanga, Bihar; 2 Calcutta Market; 1 *Prome District, Burma*; 2 *Japan*.

Two in female plumage are marked ♂, but are probably wrongly sexed.

430 *Himantopus himantopus himantopus* (Linnaeus) (Southern Europe) Indian Blackwinged Stilt 6 : 193

27 : 15 ♂♂ 10 ♀♀ 2 o? (1 chick).

1 *Amara*, 1 *Beled* (?), *Mesopotamia*; 1 *Charbar, Persian Gulf*; 1 *Hamun Lake, Persia*; 1 Hajergang, Baluchistan; 1 *Gyantse* (13,000'), *Tibet*; 5 Pithoro, Sind; 1 Kharirohar, 1 Mandvi, Kutch; 1 Patan, Jaipur; 1 Delhi; 1 Dabka, Gujarat; 3 Bombay; 2 Thana; 4 Tamarakulam 1100', Palnis; 1 Wangalu Tank, Nellore, A.P.; 1 Kanpur.

	♂♂	♀♀
Wing	211-249 av. 235·5 (240-253; ♂♀ 222-253) (<i>ceylonensis</i> 233-249)	215-242 av. 228 (222-240) (<i>ceylonensis</i> 230-234)
Bill	57-69 av. 63 (60-69) (<i>ceylonensis</i> 62-74 from skull)	60-71 av. 65 (54-69) (<i>ceylonensis</i> 64·5-70 from skull)
Tarsus	108-136 av. 123·5 (115-145) (<i>ceylonensis</i> 110-124)	108-126 av. 120·5 — (<i>ceylonensis</i> 107-120)
Tail	76-89 av. 82·7 (80-90) (<i>ceylonensis</i> 73-85)	76-89 av. 79·5 — (<i>ceylonensis</i> 73-80·5)

In 1951 (*JBNHS* 49 : 789-790), when recording the nesting of the stilt near Bombay, I drew attention to the fact that both parents had white heads (which were common in photographs of nesting birds in India and elsewhere)—a character on which Whistler had described *ceylonensis* from Ceylon. The race is accepted in *IND. HANDBOOK* (2 : 331) presumably for the same character.

Dementiev in *BIRDS OF SOVIET UNION* (1969, English translation, 3 : 309) refers to the black tones growing purer and the head whiter, with age, and this may be the correct explanation.

The distributional map in *IND. HANDBOOK* also excludes *H. h. himantopus* from an unnecessarily large area in western India.

431 **Himantopus himantopus ceylonensis** Whistler (Kalawewa, Ceylon)
Ceylon Blackwinged Stilt
nil.

No specimens are available in our collection and, in an attempt to clarify the position mentioned under the nominate form, I requested the British Museum (Natural History) to lend me material from Ceylon. They have been good enough to send me 4 specimens which do not differ from Indian birds in size and colour, except that the 3 adults (♀ 24 July, ♂ 12 November, and ♀ 5 December) have almost pure white heads against only two (both Kutch, ♂ 12 March, and ♀ 28 July) among the Indian specimens listed above.

One of the females is blackish, metallic green above, and, like Indian birds, this character does not appear to be confined to the males.

The juvenile with its wings and bill not yet fully grown shows dark grey on the head.

432 **Recurvirostra avosetta** Linnaeus (Italy) Avocet 6 : 195

8 : 4 ♂♂ 1 ♀ 3 o ?

2 *Amara, Iraq* ; 1 *Bassein, 1 Bhyander, Thana* ; 3 *Kolaba* ; 1 *Tirhut, Bihar*.

	Wing	Bill	Tarsus	Tail
♂♂	220, 221, 225, 232	85, others broken	89, 91(2), 95	81(2), 83, 90
♀	222	—	81	76
(♂♀)	220-235	84-91	c. 84-90	86-96)

None of the specimens show a jet black head, as dark as the colour on the wing ; the darkest was collected on 23 September, the others November to February.

433 **Ibidorhyncha struthersii** Vigors (Himalayas) Ibisbill 6 : 196

6 : 1 ♂ 1 ♀ 4 o ? 2 imm. without black heads and chins.

1 *Peshawar Valley, N.W.F.P.* ; 1 *Garhwal, U.P.* ; 1 *Sikkim* ; 1 *Dafila Hills, Assam* ; 1 *Kashgar 4400'*, 1 *Peking Market, China*.

♂♀	Wing	234, 235, 243, 248 (230-245)
	Bill	70, 72, 73, 84 (68-80)
	Tarsus	46, 48, 49, 51 (c. 47-49)

434 **Dromas ardeola** Paykull (India) Crab Plover 6 : 94

5 : 3 ♂♂ 2 ♀♀.

1* *Warba Island, 1 Buna Is. Persian Gulf* ; 2 *Pt. Calimere, Thanjavur Dist., Tamil Nadu*, 1 *N. Button Island, Middle Andamans*.

	Wing	Bill	Tarsus	
♂♂	220(3)* (202-225)	59, 62, 64* (55-61)	90, 92, 95* }	88-100
♀♀	209, 215 (201-216)	55, 58 (54-56)	90, 91 }	
	Tail			
	63, 66*, 70 }			64-76
	68, 73 }			

435 *Burhinus oedicnemus saharae* (Reichenow) (Tunis) Persian Stone Curlew 6 : 79

4 : 1♂ 3 ♀ ?

1 *Lake Akkakurf*, 1 (No. 14051) *Shat-el-Adhain*, R. Tigris, Iraq ; 1 *Frontier of Arabistan (Khuzistan)* ; 1 Gili (Jau) 190 m. southwest of Kalat, Baluchistan.

These birds are pale and rufous above, being very distinct from those from India under *indicus*. In addition to their larger wing 230, 236, 250, 252 (IH 228-244) cf. 206-222 av. 213 (IH 203-222), they differ in having the white edge to the first primary noticeably longer (62-75 mm.) than in Indian birds (25-50 av. 36).

The specimen from Gili is the easternmost record of *saharae* and the material available does not support the statement in IND. HANDBOOK that this form is resident in Kutch and Gujerat.

This race is actually paler and *more* buff than *indicus* and the key in IND. HANDBOOK (3 : 1) appears to err in stating that it is *less* buff.

436 *Burhinus oedicnemus indicus* (Salvadori) (Himalayas, i.e. north India) Indian Stone Curlew 6 : 77

12 : 5 ♂♂ 6 ♀♀ 1 ♀ ?

1 Bharatpur, Rajasthan ; 1 Bhuj, 1 Nadiad, Gujerat ; 1 Sanchi, Bhopal, 1 Gonda, M.P. ; 1 Bulandshahr, U.P. ; 1 East Khandesh, 1 Karjat, Kolaba ; 2 Bellary, 1 Salem, Tamil Nadu ; 1 ?

The birds from Kutch and Gujerat show tinges of rufous but are certainly very different from *saharae*. I would have included them with *harterti* (?) but, being appreciably smaller (wings ♂ 223 ♀ 210) and lacking the large white border to the first primary, they are for the moment left with this form. The male from Bharatpur (wing 221) is typical *indicus*.

EL *Burhinus oedicnemus harterti* Vaurie (Kafir Qala, northeastern Khorasan, northeastern Iran)

3 : 1♂ 1 ♀ 1 ♀ ?

1 *Shat-el-Adhain* (No. 14052), 1 *Sheik Saad, Mesopotamia* ; 1 *Shustar, Iran*.

These differ from birds listed under *saharae* in their upper parts being darker and very similar to *indicus*, except that two have larger wings (230, 245) and longer white edges to the primary (63, 75). The third, a male from Sheik Saad has a 217 mm. wing and also a small 30 mm. white edge to the first primary. The Mesopotamian birds were both obtained in October and may well be winter migrants.

437 *Esacus magnirostris recurvirostris* (Cuvier) (Nepal) Great Stone Plover 6 : 80

6 : 3 ♂♂ 3 ♀♀.

1 Indus River, 1 Madhupur, Punjab ; 1 Mandvi, Kutch ; 1 Cawnpore, U.P. ; 1 Daspalla, Orissa ; 1 Panvel, Kolaba, Maharashtra.

[128]

	Wing	Bill	Tail
♂ ♀	258-273 av. 263 (252-273)	72-78 av. 74 (74-87)	112-119 av. 115 —

The uptilted appearance of the bill is greatly accentuated by the shape of the lower mandible. The shape of the whole bill is different from that of the nominate form.

438 *Esacus magnirostris magnirostris* (Vieillot) (Australia) Australian Stone Plover 6 : 81

1 ♀ North Button Island, Ritchie's Archipelago, Andamans.
Wing 270 (266-277) ; bill 77 (76-82) ; tail 113 ; tarsus 81 (80-84).

439 *Cursorius cursor cursor* (Latham) (Kent) Creamcoloured Courser 6 : 85

11 : 5 ♂♂ 5 ♀♀ 1 ♂ ? (4 juv.).

1 *Felujah, R. Tigris, Mesopotamia* ; 1 *Shaiba, Saudi Arabia* ; 1 *Shuster, S. Persia* ; 2 Pirandar, 2000', c. 190 m. SSW. of Kalat, 1 Chad, 5350', 58 m. south of Kalat, 1 Kojdar, 27°48' N. ; 66°36' E., Baluchistan ; 1 Harunabad, Bahawalpur, Punjab ; 1 Khavda, Kutch, 1 Palanpur, 1 Patan, Mehsana, Gujerat.

In addition to traces of barring on the back and the absence of grey on head, the four juveniles have white tips to the inner primaries, which are all black in the adults.

Among the adults the single specimen from Mesopotamia appears paler above than any of the others. It may be worth noting that Vaurie (1965 p. 452) accepts *bogolubovi* Zarudny as the form visiting our area, but the description of this form in BIRDS OF SOVIET UNION (3 : 28) does not agree with any of the specimens.

	Wing	Bill	Tarsus	Tail
♂♂	156, 164, 165 (IH 160-171)	23, 25	52, 58, 59	60, 64, 66
♀♀	158, 160, 162, 164 (IH 162-166)	23, 25(2), 26	53, 55, 56, 57	63(2), 64, 65
(♂♀)	150-171	21-26	55-60	58-72)

440 *Cursorius coromandelicus* (Gmelin) (Coromandel Coast) Indian Courser 6 : 86

20 : 9 ♂♂ 8 ♀♀ 3 ♂ ? (2 juv.).

1 Jullunder, 2 Ambala, Punjab ; 4 Kutch ; 1 Karaghoda, 1 Rajkot, 1 Kodinar, 1 Deesa ; 1 Sinnar, Nasik, 1 Atgaon, Thana, 1 Andheri, Salsette, 1 Kirkee, Poona ; 1 Dharwar, Mysore ; 1 Bina, C.P. ; 1 Rajputtee, Chupra, 2 Baghowni, Tirhut, Bihar.

	Wing	Bill	Tarsus	Tail
♂♂	137-151 av. 146.4	19-22 av. 20	49-55 av. 51.6	50-61 av. 54
♀♀	147-162 av. 155.5	19-21 av. 20.6	48-58 av. 52.7	55-61 av. 57
[IH ♂♀]	143-163	23-30 (from skull)	49-57	45-64]

Some specimens have darker heads than others but it is not possible to associate this with sex, season, or place of origin. No. 14092 a female from Kutch is a partial albino, having most of its wing quills white and paler underparts.

441 **Cursorius bitorquatus** (Blyth) (Eastern Ghats) Jerdon's Courser
6 : 88

nil.

442 **Glareola pratincola pratincola** (Linnaeus) (Austria) Collared Pratincole
6 : 89

11 : 2 ♂♂ 2 ♀♀ 7 o ?

2 *Sera Tigris*, 2 *Feluja*, *Euphrates*, *Mesopotamia*; 2 *Ahwaz*, *Iran*; 1 Peshawar; 1 Karachi; 2 Coimbatore; 1 no locality.

443 **Glareola pratincola maldivarum** J. R. Forster (Open sea in the latitude of the Maldive Islands) Large Indian Pratincole
6 : 90

8 : 1 ♂ 1 ♀ 6 o ?

3 Bhavnagar, Gujerat; 2 Bhyander, Bombay; 1 Haphlong, Cachar; 1 Car Nicobar; 1 *Mandalay*, *Burma*.

Though Vaurie (p. 453/4) treats *maldivarum* as a separate species from *pratincola* it is not easy to tell them apart. In my Nicobar paper (*JBNHS* 64 : 163) I referred to differences in the colour of the shaft of the first primary, but I am afraid this was in error, and this is not an infallible index.

444 **Glareola lactea** Temminck (Bengal) Small Indian Pratincole 6 : 92

24 : 8 ♂♂ 13 ♀♀ 3 o ? (4 juveniles*).

2 Madhopur, Gurdaspur, Punjab; 1 Bulandshahr, U.P.; 1 Calcutta Market*; 2 Nasik, 3 Panvel*, 4 Khangaon, Dhond, Maharashtra; 3 Godavari Delta, Andhra; 2 Chupra, Bihar; 2 Orissa; 1 Margherita, Assam; 1 *Prome*, 2 *Chindwin*, *Burma*.

The males (153-162 av. 156.5) have slightly larger wings than the females (142-158 av. 149.5).

Three juveniles shot out of one flock have varying traces of spots on the throat and are greyer, less sandy above than the others. The last character may be due to foxing, for those most recently obtained are the greyest.

E L **Glareola nordmanni** Fischer (Steppes of southern Russia)

2 o ? *Feluja*, *R. Tigris*, *Mesopotamia*.

These specimens constitute the only records of this species from Iraq—see Marchant (1963) *Bull. B.O.C.* 83 : 52.

445 **Catharacta skua antarctica** (Lesson) (Falkland Islands) Antarctic Skua

nil.

446 Catharacta skua lönnbergi Mathews (New Zealand Seas) Brown or Great Skua.

1 ♂ Malwan Coast, Ratnagiri Dist.

Wing *c.* 400 (397-400) ; bill 53 (53-58) ; tarsus 70 (70-79) ; tail 145 broken.

This was separated from *antarctica* ' by its much larger size : wing 433 mm. ' ; I cannot reconcile this with the specimen, which is accepted as of this race both in SYNOPSIS and INDIAN HANDBOOK (3 : 19).

446a Catharacta skua maccormicki (Saunders) (Possession Island, Victoria Land) South Polar Skua.

1 ♂ ? Udipi, South Kanara.

Wing 377 (IH 390-410) ; bill 49 (IH 47-52) ; tarsus 59 (IH 62-66) ; tail 152.

This specimen which is the only record from India was ringed in the Antarctic as of this race (*JBNHS* 62 : 565) but the wing and tarsus are smaller than indicated for this race in IND. HANDBOOK (3 : 18). It is noteworthy that one of the Ceylon specimens originally identified as *maccormicki* was said to be *antarctica* (SYNOPSIS p. 138) but is now again listed in this group.

447 Stercorarius pomarinus (Temminck) (Arctic regions of Europe) Pomatorhine Skua or Jaeger 6 : 98

nil.

448 Stercorarius parasiticus (Linnaeus) (Coast of Sweden) Richardson's Skua

nil.

449 Larus hemprichii Bruch (Red Sea) Sooty Gull 6 : 104

4 : 3 ♂♂ 1 ♀.

2 Aden, 1 Muscat, Arabia ; 1 Astola Is., Persian Gulf.

	Wing	Bill	Tarsus	Tail
♂♂	315, 336, 347	48, 49, 51	53, 55, 55	112, 129
♀	321	45	51	114
(♂♀)	320-348	43-48	50-58	139-159)

450 Larus argentatus heuglini Bree (Zeyla, Somaliland) Yellowlegged Herring Gull 6 : 107

5 : 1 ♂ 4 ♀♀ Bombay Harbour.

All are in adult plumage with all-white tails and yellow bills with very faint markings towards the tip. They are a darker grey above than the adult under the next form. Birds in immature plumage are possibly included in the latter.

	Wing	Bill	Tarsus	Tail
1 ♂	440	59	64	169
4 ♀♀	410, 422, 434(2)	51(2), 55, 62	62(2), 65, 66	159, 163, 165, 167
(♂♀)	IH 415-450	49-63	62-77	158-180)

451 *Larus argentatus mongolicus* Sushkin (Uriug-noor, NW. Mongolia)
Pinklegged Herring Gull 6: 109
(part)

Adult 3: 1 ♂ Bombay Harbour; 1 ♀ off Bombay; 1 o? Chitral, N.W.F.P.
Immature 8: 4 ♂♂ 3 ♀♀ 1 o? (These may include specimens of other races).
1 near Kiti, 1 Karachi, Sind; 1 Bombay, 4 Bombay Harbour, 1 off Bombay.

Those in adult plumage have the upper parts a lighter grey than in the last. The bird from Chitral is the palest, has the outer primary moulting and a short (51 mm.) and slender bill. No. 20879 collected off Bombay, (Wing 401 + moulting, 61, 68, 165) is light grey above but has a greenish-yellow bill marked with black towards the tip and with central tail feathers not pure white but as in 3rd winter birds of the nominate race (BR. HANDBOOK 5: 92).

	Wing	Bill	Tarsus	Tail
Adult ♂	422	59	66	167
Imm. ♂♂	441, 447, 465, 466	53, 54, 57, 58	67, 68, 69, 70	157, 169, 174, 175
Adult ♀	401 moulting	61	68	165
Imm. ♀♀	412, 415, 424	51, 52, 54	61, 64, 65	146, 154, 159
(11 ex Stegemann ad. and imm.)				
	435-480 av. 462	—	63-75	—

There is considerable variation in size and colour. The grey adults of these two races were listed under *L. fuscus* while three specimens of *L. ichthyaetus* and one bird yet unidentified (No. 14188 Bushire) were included in this species. In the dry stage all the specimens appear to have yellowish legs and feet rather than pale fleshy pink or bluish as required in Vaurie (1965 p. 472). As is generally admitted, further study of this group is necessary.

452 *Larus fuscus fuscus* Linnaeus (Sweden) Lesser Blackbacked Gull
6: 107

As mentioned above, the specimens listed under this species have been found to be adults of *Larus argentatus* of two races.

453 *Larus ichthyaetus* Pallas (Caspian Sea) Great Blackheaded Gull
6: 101

7: 1♂ 2 ♀♀ 4o? (3 with black heads and all white tails).
2 Bhavnagar, Gujerat; 1 Trombay Is., Bombay; 1 Kedra, Kanara; 3 Kerala.

While many wing tips are broken, the largest is a ♂ from Trivandrum, Kerala, in non-breeding plumage which measures 461 cf. 475-510 (BR. HANDBOOK 5: 76).

454 *Larus brunnicephalus* Jerdon (West coast of Indian Peninsula)
Brownheaded Gull 6: 103

18: 8 ♂♂ 4 ♀♀ 6o? (5 brown-headed; 4 immature, with brown band on tail),
1 Sheik Saad; 1 Bagor, Indus River; 1 Kutch; 1 Nasik, 4 Bombay, 1 Ratnagiri.

1 Honavar ; 1 Cannanore ; 1 Kayamkulam, 1 Neendakara, Kerala ; 1 Orissa ; 1 Tirhut, 2 Darbhanga, Bihar ; 1 Benares, U.P.

The immature birds with brown bands on the tail have their primaries all-black and do not show the 'mirror' which identifies the adults.

455 *Larus ridibundus ridibundus* Linnaeus (European seas—England)
Blackheaded Gull 6 : 102

22 : 9 ♂♂ 8 ♀♀ 5 o? (8 immature, with band on tail).

1 *Holland* ; 4 *Sheik Saad* ; 2 *Muscat* ; 1 *Persia* ; 2 Chitral ; 1 Kashmir ; 11 Bombay.

The measurements of the wings and culmen are slightly larger than in IND. HANDBOOK (ex. BR. HANDBOOK).

Wings ♂ 293-325 av. 308 (IH 295-315, one 320).

,, ♀ 287-330 (fresh) av. 298.5 (IH 285-302).

Culmen ♂ 32-37 av. 35.8 (IH 31-36).

,, ♀ 30-37 av. 33.7 (IH 29-33).

As in *brunnicephalus* the immature bird has a brown bar across the tail, but in this species the pattern of the immature primaries is similar to that of the adult.

456 *Larus genei* Brème (Sardinia) Slenderbilled Gull 6 : 106

9 : 2 ♂♂ 3 ♀♀ 4 o? (4 adults, with all-white tails).

1 *Euphrates* ; 5 *Persian Gulf* ; 1 Baluchistan ; 1 Bhavnagar, Gujerat ; 1 Greater Bombay.

In the FAUNA, the wings of both sexes are said to be 280-316. In the small number available, the males have slightly larger wings, 302-310, than the females, 287-295. In both sexes the tails 104-122 are smaller than the FAUNA measurements 119-144.

457 *Larus minutus* Pallas (Rivers of Siberia and in Russia=Berezovo, Tobolsk, Siberia) Little Gull
nil.

EL *Larus canus canus* Linnaeus (Sweden) Common Gull

3 : 2 ♂♂ 1 ♀ *Sheik Saad*, *R. Tigris*, *Mesopotamia*.

Wing 360, 369, 370.

458 *Chlidonias hybrida indica* (Stephens) (Cawnpore, India) Indian Whiskered Tern 6 : 111

20 : 9 ♂♂ 5 ♀♀ 6 o?

1 (Sp. No. 14197) *R. Euphrates*, *Mesopotamia* ; 1 *R. Rhotak*, near *Sib*, *Persian Baluchistan* ; 1 Hazariganj, Kalat, Baluchistan ; 1 Kashmir ; 1 Delhi ; 1 Bharatpur, 1 Kandla, 1 Bhuj, Kutch ; 1 Powai, Bombay, 1 Belapur, Thana ; 1 Edanad, Kerala ; 1 Balugaon, Chilka, 2 Samastipur, Orissa ; 1 Gorakhpur, U.P. ; 1 Calcutta Market ; 1 *Upper Burma*, 2 *Kyithe*, *Prome Dist.* ; 1 *N. China*.

6 (1♂, 2♀, 3 o?) in breeding plumage with black caps and bellies are dated from 'April' to 15 August. 4 obtained between 19 September

and 28th December have brown markings on the back and presumably indicate a juvenile phase.

	Wing	Bill	Tarsus	Tail
♂♂	221-231 av. 224 (221-229)	29-32 av. 30.5 (32-37)*	21-23 av. 22 (22-23)	71-85 av. 77 (76-81)
♀♀	221(2), 223 (213-219)	26(2), 28(2) (32-36)	20, 21(3) (20-23)	76-84 av. 80 (77-80)

* These measurements are from the skull. The unsexed bird from Bharatpur (October) has a 232 mm. wing.

EL *Chlidonias hybrida hybrida* (Pallas) (S. Russia, S. Volga and Sarpa Lake).

1 ♂ *Sheik Saad, Mesopotamia*

This Sp. No. 14199 in non-breeding plumage has its wing larger (243) than another in breeding plumage from Mesopotamia listed under *C. h. indicus*. The latter has the tips of both first primaries blown off, but judging from the second primary (221 mm.) would have been under 230. It is possible that *indica* is resident and the nominate form a non-breeding migrant.

459 *Chlidonias leucoptera* (Temminck) (Coasts of the Mediterranean) Whitewinged Black Tern

4 : 2 ♂♂ 2 ♀♀ (2 in breeding plumage, 30 April and 27 July).
2 *Somaliland* ; 2 *Mesopotamia* (one male marked shot on nest).

Wing	Bill	Tarsus	Tail
207, 208, 209 (♂ ♀ IH 192-210)	21, 22, 23, 24 (IH 23-24)	19(3), 20 (IH 19-22)	66, 69, 70, 74 (IH 67-75)

459a *Chlidonias niger niger* (Linnaeus) (near Uppsala, Sweden) Black Tern

nil.

460 *Gelochelidon nilotica nilotica* (Gmelin) (Egypt) Gullbilled Tern
6 : 117

26 : 12 ♂♂ 8 ♀♀ 6 ♀♀ (5 with black caps).

1 *Lake Akkakurf, Iraq* ; 1 *Warba Is.*, 1 *Bubiyah Is., Persian Gulf* ; 3 *Mandvi, 1 Kandla, Kutch* ; 2 *Ghoti, Nasik, 1 Padgha, Thana, 7 Salsette, Bombay, 1 Pushpir Is., 1 Arnala Is., off Bombay, 1 Panvel, 2 Rewas, 1 Rewdanda, Kolaba* ; 1 *Edathur, 1 Neendakara, Kerala* ; 1 *Calcutta Market*.

In an earlier note (1958 *JBNHS* 55 : 169-170) I had referred to some of the birds in the collection being smaller than indicated for the nominate form, and suggested that they were *affinis* (Horsfield), type locality Java. The five birds with black caps obtained between 26th March and 29th May from Bombay and westwards are larger than the others, with white

heads, and are compared with three from near Calcutta presumably *affinis* q.v.

	Wing	Bill	Tarsus	Tail
♂ ♀ With black caps	315-330 av. 320	36-39 av. 37·8	32-33	116-133 av. 125
Others	298-324 av. 306·5	34-40 av. 37·4	30-33	110-133 av. 119
<i>affinis</i>	293, 295, 300	34, 38, 38	29, 32, 33	110, 110, 114

Without toptotypical material of both races we can only assume, not unreasonably, that most of the specimens represent an intermediate population.

461 **Gelochelidon nilotica affinis** (Horsfield) (Java) Javan Gullbilled Tern 6 : 118

3 : 2 ♀♀ 1 ♂? Khajir Bheri, Salt Lake, east of Calcutta.
See remarks under 460.

462 **Hydroprogne caspia caspia** (Pallas) (Caspian Sea) Caspian Tern 6 : 115

4 : 3 ♀♀ 1 ♂?
2 Warba Is., 1 Persian Gulf; 1 Manchar Lake, Sind.

463 **Sterna aurantia** J. E. Gray (India) Indian River Tern 6 : 125

13 : 9 ♂♂ 2 ♀♀ 2 ♂?
1 Chandigarh, 1 Mubarikpur, Punjab; 2 Indus Delta, Sind; 1 Bodeli, Baroda; 1 Seoni, 1 Saugor, M.P.; 1 Poona, Maharashtra; 1 Nellore, A.P.; 2 Shahjehanpur, Kheri, U.P.; 2 *Prome, Burma*.

	Wing	Bill	Tarsus	Tail
♂♂	260-290 av. 275	39-42- av. 40·6	20-21	134-215
♀	276	38	20	200
(♂♀)	260-280	39-43	c. 20-22	178-228)

464 **Sterna hirundo hirundo** Linnaeus (Sweden) European Common Tern 6 : 130

8 : 3 ♂♂ 4 ♀♀ 1 ♂?
1 Somaliland; 2 Hindia Barrage, 1 Basra, 1 Sheik Saad, Mesopotamia; 2 Warba Island, Persian Gulf; 1 Sib, Rohtak R., Persian Baluchistan.

Five of these were listed under *Sterna repressa*, from which they can be separated by their longer wings and white, not grey, upper tail. Two immature birds (Nos. 14284 and 14286) have pale grey upper tail coverts. The broken wing tips in one and the shortest wings (255) in the other together with the absence of definitely identified juvenile skins of *represa* renders their identification uncertain, unless the white underparts are a certainly diagnostic character (Cave & MacDonald 1955, BIRDS OF SUDAN, p. 159).

- 465 *Sterna hirundo tibetana* Saunders (Tibet) Tibetan Common Tern
6 : 130

3 : 1 ♂ 1 ♀ 1 o ?

2 Kashgar, 1 Yarkand, China.

These birds differ from the nominate form in being slightly darker above, and by a distinct greyish tinge below cf. white in the latter.

- 466 *Sterna dougallii korustes* (Hume) (Andaman Islands) Roseate or Rosy Tern
6 : 132

1 ♀ North Button Island, Middle Andamans.

- 466a *Sterna macrura* Naumann (Island Nordstrand and coast of West Schleswig) Arctic Tern

nil.

- 467 *Sterna repressa* Hartert (Fao, Persian Gulf) Whitecheeked Tern
6 : 128

5 : 1 ♂ 3 ♀♀ 1 o ?

2 Dora Island, 1 Kubhai Island, 1 Persian Gulf ; 1 Ratnagiri, Maharashtra.

	Wing	Bill	Tarsus	Tail
♂ ♀	235-244 (227-254)	32-35 (36-38)	19(5) (c. 19-21)	124, 133, 136, 140, 141 (124-154)

- 468 *Sterna sumatrana sumatrana* Raffles (Sumatra) Eastern Black-naped Tern
6 : 39

8 : 2 ♂♂ 5 ♀♀ 1 o ? North Button Island, Middle Andamans.

- 469 *Sterna sumatrana mathewsi* Stresemann (Aldabra Islands, type from Ile Piquart) Western Blacknaped Tern

nil.

- 470 *Sterna acuticauda* J. E. Gray (Cawnpore, India) Blackbellied Tern
6 : 127

17 : 8 ♂♂ 8 ♀♀ 1 o ? (3 with white underparts).

1 Ghaggar, 1 Madhopur, Punjab; 3 Delhi ; 1 Saiat, Kaira, Gujerat; 2 Nellore, 1 Godavari Delta, A.P.; 1 Golapalli, Bastar State, 1 Kymore, M.P.; 1 Daspalla, Orissa ; 2 Meerut, 1 Nahrosa, Pilibhit, U.P. ; 1 *Henzada*, 1 *Burma*.

	Wing	Bill	Tarsus	Tail
♂♂	228-242 av. 235	37-42 av. 38.5	14-15	123-163
♀♀	228-235 av. 233	33-36 av. 35	14-15	116-167
(♂♀)	221-240	32-40	c. 15-16	145-152)

The three birds with white underparts are dated 11th August and 22nd December (2), while those with black bellies are on various dates between 14th August (moult) and 6th April.

- 471 *Sterna anaethetus anaethetus* Scopoli (Panay, Philippine Islands) Philippine Brownwinged Tern
6 : 141

472 *Sterna anaethetus fuligula* Lichtenstein (Red Sea) Red Sea Brown-winged Tern 6 : 142
 nil.

473 *Sterna anaethetus antarctica* Lesson (Mauritius and Calcutta) Southern Brownwinged Tern
 16 : 7 ♂♂ 2 ♀♀ 7 o?

1 *Muscat*, 4 *Persian Gulf*; 3 *Bandra*, 1 *Colaba*, 1 *Bombay*, 3 *Bombay Harbour*; 1 *Alibag*, *Kolaba*; 1 *Ross Island*, 1 off *Narcondam*, *Andamans*.

There has been confusion regarding the identity of some of these specimens. I am also unable to separate the three races accepted from our area (*Abdulali, JBNHS 67* : 110).

474 *Sterna fuscata nubilosa* Sparrman (India Orientalis) Sooty Tern 6 : 144
 nil.

475 *Sterna albifrons albifrons* Pallas (Holland) Little Tern 6 : 135
 15 : 5 ♂♂ 6 ♀♀ 4 o?

1 *Somaliland*; 3 *Mesopotamia*; 1 *Boonah Is., Persian Gulf*; 1 *Karachi*; 2 *Kandla*, 1 *Jamnagar*, 1 *Bhavnagar*; 1 *Bombay Harbour*; 4 *Rewas, Kolaba*.

476 *Sterna albifrons saundersi* Hume (Karachi, Sind) Blackshafted Ternlet 6 : 138
 9 : 5 ♂♂ 3 ♀♀ 1 o?
 2 *Karachi*; 4 *Kandla, Kutch*, 3 *Pirotan, Gulf of Kutch*.

477 *Sterna albifrons sinensis* Gmelin (China) Whiteshafted Ternlet 6 : 136
 6 : 3 ♂♂ 3 ♀♀.
 4 *Uttan Washi*, 2 *Bhyander, Salsette, Bombay*.

478 *Sterna bergii velox* Cretzschmar (Red Sea coasts) Large Crested Tern 6 : 120

11 : 9 ♂♂ 2 o? (1* fledgling ♂).

1 *Berbera, Somaliland*; 1 *Muscat*, 1 *Quishim Is.*, 1 *Persian Gulf*; 2 *Astola Island, off Mekran Coast*; 1 *Karupadanna, Cochin*, 1 *Travancore*, 2 *Kalyamkolumbur, Kerala*; 1 *Baliapanni Atoll, Laccadives (fledgling *)*.

It is curious that the nine sexed specimens are all males. The two with all-black heads were obtained on *Astola Island* on 17th July 1906. One of them being marked 'Breeding'. The fledgling from the *Laccadives* was collected on 22 October, while the others in winter plumage (with the black of the head speckled with white) are between 25 November and 29 May.

479 *Sterna bengalensis bengalensis* Lesson (Coasts of India) Indian Lesser Crested Tern 6 : 124

14 : 7 ♂♂ 6 ♀♀ 1 o ?

1 Somaliland; 1 Buna Is., Persian Gulf; 3 Versova, Salsette, 6 Bombay Harbour; 1 Neendakara, Kerala; 2 N. Button Is., Middle Andamans.

Three specimens obtained on 10th April (2) and 20th June have all-black heads. The others 7th February [through March (2), April (2), May (4)] to 29th May have black heads varyingly marked with white, and white foreheads.

No. 14252 a male from the Persian Gulf has one wing 320 mm., the other damaged and much shorter.

480 *Sterna sandvicensis sandvicensis* Latham (Sandwich, Kent, England) Sandwich Tern 6 : 119

2 : 1♂ 1 ♀.

1 *Texel, Holland* (juv.) ; 1 *Samarrah (?)*, Persian Gulf.

481 *Anous stolidus pileatus* (Scopoli) (Philippines) Noddy Tern 6 : 145

4 : 1 ♀ 3 o ?

3 Ormara, Mekran Coast, Baluchistan ; 1 Laccadives.

482 *Anous tenuirostris worcesteri* (McGregor) (Cavilli Island, Sulu Sea) Whitecapped Noddy

nil.

483 *Gygis alba monte* Mathews (Seychelles) Indian Ocean White Tern

nil.

484 *Rynchops albicollis* Swainson (India) Indian Skimmer 6 : 150

5 : 3 ♂♂ 2 ♀♀ (* without head).

1 * Hyderabad, Sind ; 3 Bulandshahr, U.P. ; 1 *Padung, Prome Dist., Burma.*

Though most of the specimens are in poor condition and cannot be correctly measured, the males appear to have appreciably larger wings, bills, tarsi, and tails than the females.

(to be continued)